

# Hangzhou Sanyuan Cable Co.,Ltd

## LMR240

### Construction

	Material	Diameter(mm)
<b>Inner conductor</b>	Bare Copper	1.42
<b>Dielectric</b>	Foam PE	3.81
<b>First Shield</b>	Bonded Aluminum Foil	3.94
<b>Second Shield</b>	Tinned Copper Wire Braid	4.52
<b>Jacket</b>	PVC or PE	6.1

### Electrical Characteristics

Impedance( $\Omega$ )	50 $\pm$ 3
Capacitance(pF/m)	79.4
Velocity of Propagation(%)	84
Inner Conductor DCR( $\Omega$ /km)	10.5
Outer Conductor DCR( $\Omega$ /km)	12.5
Return Loss	$\geq$ 20
Voltage Withstand(Volts DC)	1500
Spark test(VRMS)	5000
Screening Effectiveness	$\geq$ 90
Operating temp.( $^{\circ}$ C)	Subzero 40 to +85

### Attenuation ( @20 $^{\circ}$ C)

Frequency(MHz)	Max Attenuation(dB/100m)
30	4.4
50	5.7
150	9.9
220	12
450	17.3
900	24.8
1500	32.4
1800	35.6
2000	37.7
2500	42.4
5800	66.8